Product family datasheet



Lightbar SX180-SP

Improved safety on-road and off-road with the full force of LEDs





Compact housing design Compact mounting dimensions enables a wide range of possible applications



Lighting distance up to 190 meters Increased far field illumination



Spot Beam Highly concentrated light beam



Durable and robust LED auxiliary light with certified approval for use on roads

Bright light is particularly critical on unlit streets and dirt roads. It lets drivers identify obstacles on the road far in advance. With its six high-performance LEDs, the LEDriving Lightbar SX180-SP automotive auxiliary light gives drivers better visibility and improved safety on the road. And the LED auxiliary light also impresses at shorter distances. With an illuminance of one lux and a beam angle of eight degrees, the beam of light can reach up to 190 meters. That's sufficient enough to identify obstacles on the road far in advance. The sophisticated reflector design of the LED search light provides very high optical efficiency with uniform light distribution and reduced glare. Reduced glare is especially relevant for oncoming traffic and counts as another important aspect of road safety.Beyond its light output, the LED high beam enhances the off-road style of the vehicle. Because the LED auxiliary light with certified approval is intended for roads, its use is not limited to off-road terrain. Various mounting options & durabilityIt goes without saying that the LED auxiliary light has to withstand quite a bit when used almost daily. Its hardwearing polycarbonate lens allows it to meet even the toughest demands while extending the lifespan of the auxiliary light for automobiles. An integrated driver and thermal management system prevents possible damage from overheating. Over and under voltage protection automatically breaks the circuit when power exceeds the predetermined current for a specified amount of time. Even major temperature fluctuations aren't a problem for the LEDriving Lightbar SX180-SP LED auxiliary lights. They work whether the air temperature is a very cold -30 or a hot 60 degrees Celsius. This is a very helpful feature, particularly during off-road tours.Its compact mounting dimensions allow the LED working light to be mounted in a variety of ways. The LED auxiliary light can be easily installed even on the front end of 4x4 and off-road vehicles as well as utility and industrial vehicles.

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Technical data

	Product information	General Product Information		Electrical Data			Photom etric Data	
Product description	Application (Category and Product specific)			Nominal wattage		Test voltage	Nominal luminou s flux	
Lightbar SX180-SP	Additional high beam application	LEDDL105-SP		14 W		13.5 V	1300 lm	
	Lifetime Data	Capabilities	Certifica standar		Logisti	cal data		
Product description	Lifespan Tc	Technology	ECE refe			odity code		
Lightbar SX180-SP	5000 hr	LED	10	851220009000				
	Environmental & Regu	•		EC) 1907/2006	(REACh)			
Product description	Primary article identifier	Candidate list substance 1		CAS No. of substance Safe use in 1		struction		
Lightbar SX180-SP	4052899595415	Lead		the (subs suffi		the Candic substance sufficient t safe use of	icient to allow e use of the	

Product description	Declaration no. in SCIP database
Lightbar SX180-SP	a1bdcbc4-aa38-
	44ed-b994-
	4a48e9654415

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Download Data

	File
▶	User instruction LEDriving
D	Movie application LEDriving D and W Image Video Bringing light to life (EN)
D	Movie application Working and Driving Lights Amarok Winter
D	Movie application LEDriving Driving and Working Lights Reference Video (EN)
D	Movie application OSRAM LEDdriving and working lights Imagefilm (EN)
D	Movie application LEDriving driving & working lights in application (EN)
D	Movie application OSRAM Quality Testing LEDriving working and driving lights (EN)
D	Video Light is Quality -OSRAM LEDriving Driving and Working Lights Quality Tests (EN)
D	Video OSRAM LEDriving driving and working lights: The night doesn't stand a chance
D	Video OSRAM LEDriving driving and working lights in action - From on road to off road applications (EN)
D	Video Reference Number made easy - Making sure your LEDriving Driving Lights are legal on public roads
	ref_pim_amsp_product360degreeimages LEDriving Lightbar LEDDL105-SP

Legal advice

In vehicles with 12/24 volts, auxiliary lights must be installed in pairsPrecise terms and conditions at: www.osram.com/guarantee

Application advice

For more detailed application information and graphics please see product datasheet.

Disclaimer

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.











